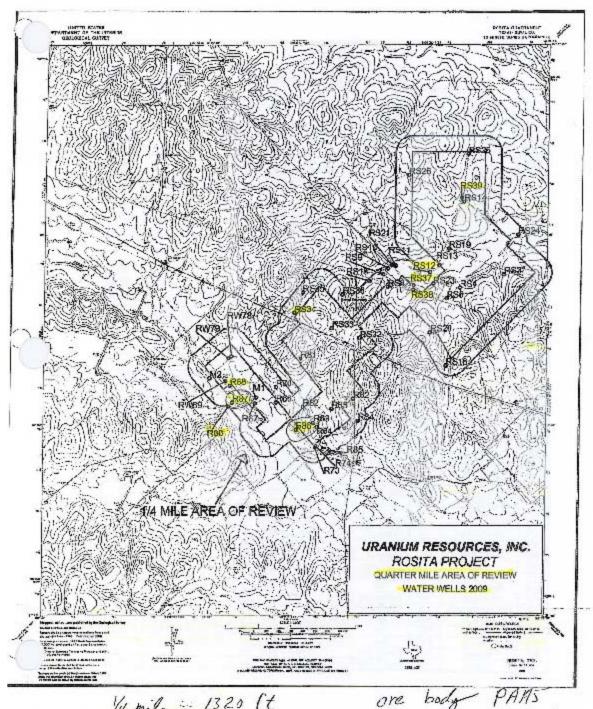
Specifics on the Goliad and Rosita exemptions, the purpose of which is to allow uranium mining from aquifers by leaching.

- State permitted the Goliad site after a contentious 3 year process. Uranium Energy Corporation's (UEC) permit
 was approved by the TCEQ in December 2010. TCEQ submitted the subsequent exemption request on May 24,
 2011.
- The Rosita exemption is an extension of an earlier Uranium Resources Inc. (URI) exemption. It faced no public opposition. Rosita is likely an EJ community.
- o Technical concerns with Rosita are similar to that of Goliad. Domestic water source wells appear to be in proximity of the mining activity and thus possibly using the proposed exemption as a source of water (see attached Rosita Project map Well Nos. R 86, 87, 88, 68). Natural GW flow is to the SSE. In addition, the map suggests human encroachment may have occurred in areas previously exempted (well no. RS 39). EPA is planning to conduct inspections on the area, confirming the facts of the application.
- On July 1 and August 8, 2011, R6 formally requested UEC and URI provide GW modeling as an option to show compliance with the primary exemption criterion that requires the portion of aquifer proposed for exemption does not currently serve as a source of drinking water (40 CFR 146.4 (a)).
- TCEQ responded negatively, asking EPA to continue processing both applications. Region 6 recently again requested modeling and TCEQ has again requested processing of the applications.
- Region 6 has met with representatives of UEC, URI and TCEQ separately on multiple occasions to explain in detail the modeling requested. Another meeting is scheduled in June to meet with TCEQ and UEC together.

Specifics on El Paso Exemption, the purpose of which is to allow the El Paso Water Utilities (EPWU) disposal of concentrate wastes from the Kay Bailey Hutchison desalination plant.

- On February 27, 2012 EPA received an application from TCEQ for exemption of a portion of the Fusselman, Montoya and El Paso aquifers in NE El Paso county. These are relatively deep aquifers (2222' – 2890') with high TDS content (8000 ppm+). No domestic water wells reach to those depths anywhere near the exemption.
- o The portion of aquifers to be exempted covers a rectangular area of 115 square miles (19 x 6 miles), one half of which is on Fort Bliss. (see attached map)
- The geology is complex. The exemption zone consists of several grabens running north –south while generally dipping to the west bounded by significant faults created by the uplift of the Franklin Mts in the west and the Heuco Mts on the east.
- The receiving formations dip to the west with an average combined thickness of 2480'. Rapid GW flow is generally to the south. Few wells, all within the NE corner of the exemption actually penetrate the proposed exemption, reducing opportunity for direct measurement.
- The injection well field is with ¼ mile south of the border with New Mexico. TCEQ and the EWPU have approached the New Mexico Environment Department (NMED) directly throughout the process for acknowledgement. NMED has expressed no opposition to Region 6 but have stopped short of expressing a formal position.
- The criteria under which EWPU applies are 1) it does not currently serve as a USDW and 2) the aquifers contain between 3K and 10K TDS and are not reasonably expected to serve in the future as a USDW.
- o The applicant used ModFlow to set exemption boundaries based on a 1000 fold attenuation of a desal waste contaminant plume migration created by injection of 3 MGD of wastes over 50 years. At those boundaries the concentration of injected wastes would not exceed background and should not raise risk to human health.
- o TCEQ has conducted public participation. Notice was published in two local newspapers three times each. A public meeting was held in July 2011. The public raised no serious concerns.



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URI, Inc. Quartor Mile Area of Review Rosita Project Water Wells 2009

LW	100	1380	R87	R86	R85 Liv	R84	R83	R82	R81	R79	R78	R74	R73 LM	R70	R69		R67	R66	RASS	1	-	R63 [R62	RS-39	RS-38	BS-37	DO 28	RS-34	RS-33	RS-32	RS-26	RS-25	RS-24	RS-21	RS-20	RS-19	RS-18	RS-16	RS-14	1		RS-11	70-6	70-8	RS-5	RS-4	RS-3	
Capped	Dollogon	Domastic	Domestic	Domestic	Livestock/Domestic	ABANDONED	ABANDONED	Livestock	Livestock	ABANDONED	Livestock	ABANDONED	Livestock/Domestic	Livestock	ABANDONED	hestock/Domestic	ABANDONED	Livestock	- roginos	Domestic/Pow in	Progress	Domestic/P&A in	ABANDONED	Domestic	Domestic	LIVESTOCK	I investory	Domestic	Livestock	Livestock	Livestock	ABANDONED	ABANDONED	Livestock	Livestock	Livestock	ABANDONED	ABANDONED	Livestock	ABANDONED	ivestock/Domestic	Not Used	ABANDONED	Livestock	Livestock	Livestock	Livestock	
BAU	100	PVC	PVC	PVC	n/a	n/a	n/a	n/a	n/a	n/a	PVC	n/a	n/a	п/a	Steel	PVC	Steel	Steel	0/2	Steel	n/a	PVC	n/a	PVC	DVC.	DVO	n/a	Steel	Steel	Steel	n/a	n/a	Steel	+	+	Sippl	Na	PVC	Sieel	Steel	Steel	Casing						
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n/a	-	11/23/2007	11/14/2007	2/20/2004	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	a/a	n/a	7/2		rva	n/a	n/a	4/18/2009	4/06/2004	BYU BYU	8/0	n/a	n/a	n/a	n/a	n/a	n/a	1977	n/a	1975	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1978	n/a	n/a	Drilled
Duvai County	Daves County	11/23/2007 Duvel County	11/14/2007 Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duvai County	Duval County	Dival County	Duval County	Dival County	Duval County	Duval County	Duval County	Duval County	Duval County	A/DE/2004 David County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duyal County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	Duval County	-
BALL	200	760	760	240	40	n/a	n/a	n/a	n/a	n/a	n/a	п/a	n/a	n/a	n/a	n/a	n/n	280	2000		200	n/a	n/a	420	300	BAU	n/a	n/a	800	n/a	n/a	n/a	B/u	1	1	1	1	1			1	n/a	T	1	265	n/a	/ N/a	Depth
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PROPOSED EXEMPT AREA